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1. (Amended) A method for automatically controlling the gain in a radio frequency signal reception device, said device comprising at least one first low-noise amplification stage placed following a reception antenna, and at least one variable-gain device placed in the reception facility, the method comprising the steps of:

neutralization of the signal received by the antenna; and adjustment of the gain during the neutralization of the signal received until a predetermined noise level is obtained at the end of the reception facility.

- 2. (Amended) The method according to Claim 1, wherein the neutralization of the signal received is carried out by cutting off the supply to the first low-noise amplification stage.
- 3. (Amended) The method according to Claim 1, wherein during signal reception, the following steps are performed:

 extraction of the noise power at the end of the reception facility; and adjustment of the gain until a predetermined noise level is obtained.
- 4. (Amended) The method according to Claim 3, wherein the extraction of the noise power at the end of the facility is carried out by performing the following steps:

sampling and digitization of the signal at the end of the reception facility; digital demodulation of the digitized signal; modulation of the demodulated signal; and calculation of the noise power from the modulated signal and the digitized signal.

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5. (Amended) A radio frequency signal reception device, said device comprising:

at least one first low-noise amplification stage placed following a reception antenna;

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at least one variable-gain device placed in the reception facility; means for neutralizing the signal received by the antenna; and means for adjusting the variable-gain device as a function of the noise level at the end of the reception facility.



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signal; and

level extracted.

means for adjusting the variable-gain device as a function of the noise